

Annex 1: List of participants

Name	Company	Country
Francesca Belloni	CEA Saclay, IRFU/SPhN	France
Pavel Blokhin	Nuclear Safety Institute of RAS	Russian Federation
Anatoly Blokhin	SSC IPPE	Russian Federation
Ruxandra Borcea	EC-Joint Research Centre-IRMM	Belgium
Barbara Brzezicka	Institute of Nuclear Physics PAN	Poland
Carmen Cabanillas Platero	EC-Joint Research Centre-IRMM	Belgium
Michał Ciemała	Institute of Nuclear Physics PAN	Poland
Philippe Dessagne	IPHC/DRS	France
Krzysztof Drozdowicz	Inst. of Nucl. Physics/Polish Academy of Science	Poland
Grigorijus Duškesas	Fizinių ir technologijos mokslų centras	Lithuania
Jan Dankowski	Institute of Nuclear Physics PAN	Poland
Dominik Dworak	Institute of Nuclear Physics PAN	Poland
Yosef Eisen	Soreq NRC	Israel
András Csaba Fenyvesi	ATOMKI	Hungary
Barbara Gabańska	Institute of Nuclear Physics PAN	Poland
Milan Honusek	Nuclear Physics Institute	Czech Republic
Zdeněk Huňa	Czech Technical University in Prague, FNSPE	Czech Republic
Andrzej Igielski	Institute of Nuclear Physics PAN	Poland
Robert Jacqmin	CEA	France
Jerzy Janczyszyn	AGH – University of Science and Technology	Poland
Natalia Janeva	INRNE-BAS, Sofia	Bulgaria
Maëlle Kerveno	IPHC/DRS	France
Vitaly Khryachkov	Institute for Physics and Power Engineering	Russian Federation
Stanislaw Kistryn	Jagiellonian University	Poland
Antonin Krasa	EC-Joint Research Centre-IRMM	Belgium
Mattias Lantz	Uppsala University	Sweden

Name	Company	Country
Adam Maj	Institute of Nuclear Physics PAN	Poland
Mitja Majerle	Nuclear Physics Institute	Czech Republic
Nicolae Marginean	Horia Hulubei National Institute for Physics	Romania
Franco Michel-Sendis	OECD Nuclear Energy Agency	France
Ryszard Miklaszewski	Institute of Plasma Physics & Laser Microfusion	Poland
Alberto Milocco	JSI	Slovenia
Barbara Obryk	Institute of Nuclear Physics PAN	Poland
Paweł Olko	Institute of Nuclear Physics PAN	Poland
Heikki Penttilä	Department of Physics	Finland
Arjan Plompen	EC-Joint Research Centre-IRMM	Belgium
Rafal Prokopowicz	Institute of Atomic Energy	Poland
Marek Scholz	Institute of Plasma Physics & Laser Microfusion	Poland
Eva Simeckova	Nuclear Physics Institute, p.r.i.	Czech Republic
Alexey Stankovskiy	SCK·GEN	Belgium
Ferenc Tarkanyi	Inst. of Nuclear Research of the Hungarian Academy	Hungary
Jean-Claude Thiry	IPHC	France
Grzegorz Tracz	Institute of Nuclear Physics PAN	Poland
Jitka Vrzalová	NPI ASCR	Czech Republic
Iwona Wodniak	AGH – University of Science and Technology/IFJ PAN	Poland
Urszula Woznicka	Institute of Nuclear Physics PAN	Poland
Shakir Zeynalov	JINR	Russian Federation

Annex 2: Programme

Monday 25, October 2010

18:00-22:00 Buffet Dinner at Polonia House

Tuesday, 26 October 2010

Opening session

Chair: Robert Jacqmin

- 09:00 *A. Plompen*
Introduction
- 09:15 *Prof. Urszula Woznicka*
Research trends at the Henryk Niewodniczanski Institute of Nuclear Physics Polish Academy of Sciences
- 09:55 *Prof. Adam Maj*
Status and perspectives of nuclear structure studies in the IFJ PAN Krakow
- 10:35 Coffee break
- 10:50 *Prof. Krzysztof Drozdowicz*
EURATOM-fusion studies in the IFJ PAN
- 11:30 *Arjan Plompen*
Nuclear data research at IRMM
- 12:05 *Franco Michel-Sendis*
Overview of nuclear data activities at the OECD Nuclear Energy Agency
- 12:40 Lunch at Polonia House

Session I Nuclear data needs and impact

Chair: Urszula Woznicka

- 14:00 *Robert Jacqmin*
Required nuclear data accuracy for fission energy applications
- 14:45 *Alexej Stankovskiy*
Impact of nuclear data uncertainties on neutronics parameters of MYRRHA/XT-ADS
- 15:05 *Mattias Lantz*
Where are the data? – Status report on the work with a new compilation of experimental total reaction cross-section data

15:30	Coffee break
15:45	<i>Grigorijus Duškesas</i> Nuclear data needs for reactor graphite radiological characterization and recycling
Session II	Nuclear data validation and benchmarks Chair: Krzysztof Drozdowicz
16:10	<i>Jerzy Janczyszyn</i> Final results of the “Benchmark on computer simulation of radioactive nuclides production rate and heat generation rate in a spallation target”
16:35	<i>Anatoly Blokhin</i> Testing of nuclear data by comparison of measured and calculated leakage neutron and photon spectra for iron and lead spherical shells
17:00	<i>Pavel Blokhin</i> Test of decay data by means of decay heat calculation for ^{235}U and ^{239}Pu isotopes
17:25	<i>Alberto Milocco</i> The 2010 Compilation of SINBAD: Quality assessment of the fusion shielding benchmarks
17:50	Closure, day 1
19:30	Conference Dinner at the Wieliczka Salt Mine
21:30	End

Wednesday, 27 October 2010

Session III	ANDES Chair: Arjan Plompen
08:30	<i>Maëlle Kerveno</i> Measurement of (n,xng) reactions of interest for the new nuclear reactors
08:55	<i>Heikki Penttilä</i> Fission studies at the renovated IGISOL facility
09:20	<i>Francesca Belloni</i> Neutron-induced fission cross-section of ^{233}U , ^{241}Am and ^{243}Am in the energy range $0.5 \text{ MeV} \leq E_n \leq 20 \text{ MeV}$
09:45	Coffee break
Session IV-1	Detectors and facilities Chair: Ferenc Tarkanyi
09:55	<i>Jean-Claude Thiry</i> Measurement of (n,xn γ) reactions at high precision
10:20	<i>Mitja Majerle</i> Modelling d-Be and d-C neutron sources for SPIRAL-2
10:45	<i>Nicolae Marginean</i> Present opportunities and future perspectives for experimental nuclear physics in Magurele
11:30	<i>Yosef Eisen</i> An experimental study of energy broadened beam, simulating the SARAF high current linac, on the semi-Maxwellian neutron spectrum at 25 keV obtained near threshold in the $^7\text{Li}(p,n)^7\text{Be}$ reaction

12:15	<i>Natalia Janeva</i> Future neutron data activity on the neutron source IREN
12:40	Lunch at Polonia House
Session V-1	Measurements of nuclear data <i>Chair: Nicolae Marginean</i>
14:00	<i>Ferenc Tarkanyi</i> Systematic study of activation cross-sections of deuteron-induced reactions used in accelerator applications
14:45	<i>Andras Fenyvesi</i> Extension of the calibration of an NE-213 liquid scintillator based Pulse Height Response Spectrometer up to 18 MeV neutron energy and leakage spectrum measurements on bismuth at 8 MeV and 18 MeV neutron energies
15:10	<i>Antonín Krása</i> Tritium production in neutron-induced reactions
15:35	Coffee break
15:50	<i>Milan Honusek</i> High-energy neutron beams at U120-M cyclotron in NPI Řež – Nb activation cross-section studies
16:15	<i>Eva Simeckova</i> Deuteron activation measurements at energies up to 20 MeV using NPI isochronous cyclotron
16:40	<i>Jitka Vrzalová</i> Cross-sections of neutron threshold reactions studied by activation method
17:05	<i>Mattias Lantz</i> Neutron-induced fission studies at the IGISOL facility
17:30	<i>Ruxandra Borcea</i> The double fission-fragment time-of flight spectrometer VERDI
17:55	<i>Stanislaw Kistryn</i> Three-nucleon system dynamics studied via deuteron-proton breakup
18:20	End, day 2
19:00	Workshop Reception at Polonia House
22:30	End

Thursday, 28 October 2010

Session V-2	Measurements of nuclear data <i>Chair: Yosef Eisen</i>
08:30	<i>Vitaly Khryachkov</i> Experimental study of (n,α) reaction on a set of light nuclei.
08:55	<i>Shakir Zeynalov</i> Backgammon and a time projection application to a twin position-sensitive ionization chamber

Session IV-2 Detectors and facilities**Chair: Urszula Woznicka**

- 09:20 *Alexej Stankovskiy*
Development and validation of ALEPH Monte Carlo burn-up code
- 09:45 *Michał Ciemała*
The PARIS project
- 10:10 *Zdenek Huna*
Automatic dosimeter for kerma measurement based on commercial PIN photo diodes
- 10:35 Coffee break
- 10:50 *Grzegorz Tracz*
Angular-energy distributions of neutrons emitted from the Wendelstein 7-X stellarator
- 11:15 *Barbara Obryk*
From nGy To MGy – New TL dosimetry of environmental doses of complex radiation at high-energy accelerators and thermonuclear fusion facilities
- 11:40 *Ryszard Miklaszewski*
Detection of explosives and other illicit materials by a single nanosecond neutron pulses – Monte Carlo simulations of the detection process
- 12:15 Workshop closing
- 12:30 Lunch at Polonia House
- 14:00 Laboratory visit to The Henryk Niewodniczanski Institute of Nuclear Physics
- 18:00 End, day 3
- 19:00 Dinner at Polonia House